

DSC Power864™

Expandable Hybrid Security Systems

System Overview

8 Partitions

- Partitionable Bell
- Individual partition account codes
- Individual partition reporting codes

64 Zones

- 8 on-board zones
- Expandable to 64 hardwired, 32 wireless, 32 addressable, 8 keypad zones
- All zones programmable for burglary or fire

Remote and Central Station Commercial Fire Monitoring

14 PGM outputs

- 4 PGM outputs on-board
- Expandable to 14

Multiple Wireless Receiver Support

- Up to... four receivers
- Up to... 32 wireless zones

Additional Auxiliary Power Available

- Support... for up to four 1 Amp power supply modules

256 Event Buffer

- All events automatically stored with time and date stamp to the buffer
- Viewable through keypad, printer, or downloading software

15-Station Intercom/2-Way Talk & Listen-In Module

- All paging, door bell, telephone answer, central station 2-way talk/listen-in

Power Supply

- 550mA @12.5VDC auxiliary power supply
- PTC-protected battery, auxiliary, and bell output
- Supervision... of AC power loss, low battery, and auxiliary power failure

LAN/WAN Connectable

- Communicate... alarms and perform all DLS applications over existing WAN/LAN networks

Telephone Interface and Automation

- Turns telephone, local or anywhere in the world, into a system keypad
- Supports... 32 X-10 or CEBus® power line devices
- Support for up to... 4 thermostats for HVAC control
- Real-time scheduling and mode control

Improved End-user Zone Bypassing Options

- Programmable bypass groups, programmable by partition
- Last bypass group recall



Automatic Arming by Partition

- Separate auto-arm times per partition
- Separate auto-arm times for each day of the week
- No-activity arming option

Alarm Output

- Supervised... bell output – 700 mA @12VDC, PTC-protected
- Steady, pulsed or temporal bell pattern

Flexible Zone Programming

- All zones programmable as burglary or fire
- NC, EOL, DEOL option
- Fast loop response option for all on-board zones

SIA False Alarm Reduction features

- Cross zoning
- Exit delay restart
- Exit error
- Duplicate code notification
- Double hit timer
- Swinger shutdown

Video Alarm Verification and Switching

- Up to... 8 cameras
- CCTV video switcher

Digital Communicator

- Supports... all major formats including SIA and Contact ID (automatic)
- Supports... Links1000, and Skyroute communications
- 3 phone numbers
- Pager format
- Anti-jam feature
- DTMF or pulse dialing

EEPROM Memory

- Will not lose programming in the event that there is a complete loss of power (AC and battery)

Specifications

- Transformer requirements
 - 16.5VAC, 40VA
- Battery requirements
 - 12V, 4Ah minimum rechargeable sealed lead acid
 - Current draw: 65mA

Local PC-Link™ and Remote Windows Downloading Software



LCD5500Z Programmable Message LCD Keypad

- **Large 32-character programmable alphanumeric display provides plain language...**
 - zone identification
 - system status
 - trouble conditions
 - system instructions
 - 256 event buffer
- **12 or 24 hour clock display**
- **Zone input...**
 - connect detector directly to keypad to avoid separate wiring back to control panel
- **5 programmable one-touch function keys with 25 options**
 - stay arm, away arm, quick exit, etc.
- **LED status indicators**
 - ready, armed, trouble (*alarm status at a glance*)
- **Fully backlit...** with backlighting boost to provide extra lighting when a key is pressed
- **Piezo buzzer...** provides audible feedback for correct key entries, pre-alert, and system trouble status... with adjustable buzzer tone
- **Connect to 4-wire Keybus...** up to 1000' (305m) from the panel
- **Specifications**
 - **Dimensions:** 5.75"W x 4.5"H x 1"D (144 x 114 x 25mm)
 - **Current draw:** 85mA (maximum)

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Additional Keypads

PC5508Z PowerSeries™ LED Keypad

- 8-zone LED keypad
- Backlit numeric keypad
- 5 function keys
- 3 LED status indicators
- Hardwired zone input



PC1555RKZ LED Keypad

- **LED indicators...** ready, armed, trouble
- **1 zone input...** connect detector to keypad to create a keypad zone
- **Backlit display...** with backlighting boost to provide extra lighting when any key is pressed
- **Audible feedback of correct key entries...** pre-alert, system trouble, and tone control



LCD5501Z Fixed Message LCD Keypad

LCD5501Z32 Fixed Message LCD Keypad with Integrated PC5132 Wireless Receiver

- **Easy to read fixed messages provide real-time status of all panel activity**
- **12 or 24 hour clock display**
- **Zone input...** connect detector to keypad to avoid separate wiring back to panel
- **5 programmable one-touch function keys with 25 options**
 - stay arm, away arm, quick exit, etc.
- **LED status indicators...** ready, armed, trouble
- **Fully backlit...** with backlighting boost to provide extra lighting when a key is pressed
- **Piezo buzzer...** provides audible feedback for correct key entries, pre-alert, and system trouble status... with adjustable buzzer tone
- **Connect to 4-wire Keybus...** up to 1000' (305m) from control panel
- **4 selectable door chime options, programmable by zone**
- **Specifications**
 - **Dimensions:** 5.75"W x 4.5"H x 1"D (144 x 114 x 25mm)
 - **Current draw:** 90mA (maximum)
260mA (maximum) with integrated receiver

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Telephone Interface

Escort5580TC Interface Module

- Turns any tone telephone into a fully functional keypad with global and partition control
- **Built-in power line interface for control of 32 CEBus or ancillary control devices**
 - 16 schedules with 'on time', 'off time', and 'day of week'
 - 8 user-controlled automation modes
 - full range of dimming levels
 - event-activated control for PGM output
- **An extensive library of voice prompts for security and automation operation, programming, and system status feedback**
 - 250 system words for pre-programmed system functions
 - 240-word library for user-programmable voice prompts for automation items, mode, partition and zone labels
- **Specifications:**
 - **module current draw:** 130 mA (maximum)



PC5108 Hardwired Zone Expander

- Used to add up to 8 additional hardwired zones per module to the Power864
- Specifications
 - auxiliary current: 100 mA (PTC-protected - fuseless design)
 - module current draw: 35 mA

Keypad Zones

- Each keypad provides...1 hardwired zone input (EOL or NC)
- Eliminates the need to provide additional wire runs back to the panel

**PC5132-433 Wireless Zone Expander**

- Used to add up to 32 wireless zones and 16 wireless keys to the panel
- Specifications
 - module current draw: 80 mA (maximum)
- Wireless devices supported
 - WLS904(P) passive infrared detector (available with pet immunity)
 - WLS906 photoelectric smoke detector
 - WLS907 door/window contact
 - WLS909 wireless key
 - WLS912 glassbreak detector
 - WLS914 passive infrared detector with pet immunity
 - WLS919 wireless key
 - WLS925L slim-line door/window contact with external contacts

PC5100 2-Wire Addressable Device Interface

- Used to connect 2-wire addressable devices to the Power864
- Up to 32 2-wire addressable devices can be added to the system
- Specifications
 - addressable loop maximum current draw: 170mA
 - module current draw: 40mA (maximum)

PC5108L CCTV/Downlook® Interface Module

- Supports... Downlook® still frame video transmission
- Provides... local VCR/monitor video switching for 8 cameras
- Communicates... alarm followed by video over a single telephone line in one transmission to a Sur-Gard MLR2 digital receiver
- Specifications
 - module current draw: 60mA

PC5200 Power Supply Module

- The PC5200 can be used to provide... up to 1.0A of additional current to the Power864 security system
- Fully supervised for... tamper, low battery, AC power loss, and auxiliary power loss
- Connect up to... 1000'(305m) from the control panel via Keybus
- Supports up to... four PC5200 modules providing up to 4 Amps of auxiliary current
- Specifications
 - auxiliary current: 1.0A continuous rating; 3.0A short term if backup battery connected (PTC-protected - fuseless design)
 - transformer requirements: 16.5V, 40VA
 - battery requirements: 4Ah minimum
 - module current draw: 20mA

PC5204 Power Supply/High Current Output Module

- Expansion up to... 12 outputs zones using 4 on-board PGM outputs, (3 low current, 1 high current) expandable to 14 PGM
- Provides up to... 1.0A of additional current and can be used to add up to four high current programmable outputs to the Power864
- Fully supervised for... tamper, low battery, AC power loss and auxiliary power loss
- Connect up to... 1000'(305m) from the control panel via Keybus
- Specifications
 - auxiliary current: 1.0A continuous rating, 3.0A short term if backup battery connected (PTC-protected - fuseless design)
 - outputs: each output can sink up to 3.0A
 - transformer requirements: 16.5V, 40VA
 - battery requirements: 4Ah minimum
 - module current draw: 20mA

PC5208 Low Current Output Module

- Add up to... 8 low current programmable outputs to the Power864 security system
- Specifications
 - auxiliary current: 250 mA (PTC-protected - fuseless design)
 - outputs: each output can sink up to 50 mA
 - module current draw: 20 mA

PC5320 Multiple Wireless Receiver Module

- Up to... 4 wireless receivers can be installed on the system via this module, greatly reducing the possibility of missing transmissions, and significantly increasing the coverage area for wireless products
- Specifications
 - module current draw: 55mA (maximum)

PC5400 Serial Printer Interface Module

- **Provides...** RS-232 serial printer connection for reporting events logged to the system event buffer... prints events, partition, time and date that the event occurred
- **Supports...** any 300, 1200, 2400, or 4800 Baud serial printer
- **Module current draw:** 65mA @ 12VDC

PC5400DV DVACS* Module

- **Both PC5400 and PC5400DV may be used on a system simultaneously**
- **Provides...** ULC Level 3 Security
- **Provides...** full DVACS reporting of all system events
- **Full cross supervision between the system control panel and the DVACS module**
- **Complete...** with 8-pin jack, and communications and power cables for connection to F1/F2 subset
- **Module current draw:** 65mA

PC5700 Dual Line Dialer Module

- **Dual supervised telephone lines**
- **Two Class A supervisory waterflow zones**
- **Ground fault detection**
- **4 general purpose zones**
- **Module current draw:** 35mA

Features

- **Allows the Power864 to...** maintain its telephone connection for backup or DLS-3 connection
- **Compatible with...** DLS-3 for remote high speed downloading
- **Full-time connection to the central station for immediate indication of tampering**
- **Full reporting of all events,selectable reporting on control panel**
- **Quick and easy connection (uses the PC-Link™ header) to the Power864 connection**

Communication Method

- **Uses the TCP/IP protocol to transmit information quickly to the central station**
- **Compatible with...** 10BaseT networks

PS5350 Battery Charger

- **Automatic shutdown to prevent deep battery discharge**
- **Self-resetting solid state over-current protection devices eliminate the need for replacement fuses**
- **Battery charging rate:** 1.8A
- **Specifications**
 - Transformer supplied: 16.5VAC, 80VA
 - Output 12VDC, 1.8A

PC5936 Expandable Audio Interface Module

- **Supports...** up to 7 Audio stations, (intercom, door station, or two-way listen-in stations)
- **Module current draw:** 100mA (maximum)

**PC5937 Expansion Card**

- **Allows...** 8 additional audio stations to be connected to the PC5936
- **Module current draw:** 5mA

PC5921 Internal Intercom Station

- **Intercom functions...** page/answer, do not disturb, door strike release, telephone answer, room monitor
- **Answer telephone calls received on regular telephone line**
 - ringing programmable by station
 - supports call waiting
 - allows call transfer to in-house phones
- **Programmable...** as sounder for fire/burglar alarms
- **Audio user help...** provides plain language prompts for system programming, operation, and system status reports when installed with Escort5580 voice prompt module
- **Current draw:** 50mA (maximum)

PC5921 Exterior Door Station

- **PC5921EXT...** weather-resistant door bell with intercom capability
- **PC5921EXT/R...** weather-resistant door bell with intercom capability and relay output (to activate existing door bells)
- **Current Draw:** 50mA (maximum)

PC5904 2-way Audio Station

- **Programmable...** control tones (from central station)
- **Select zone, listen/talk, extend on-line time, hang-up**
- **Large speaker for greater area coverage**
- **Current Draw:** 175mA (maximum)

Agency Approvals**United States**

- UL365 Police Station Connected Burglary Alarm Units & Systems
- UL609 Local Burglary Alarm Units and Systems
- UL864 UL Central and Remote Station Commercial Fire Monitoring
- UL985 Household Fire Warning System Units
- UL1023 Household Burglary Alarm System Units
- UL1610 Central Station Burglary Alarm Units
- UL1635 Digital Alarm Communicator System Units
- UL1637 Home Health Care

Canada

- ULC Commercial and Residential Fire/Burglary Alarm
- ORD-C1023-1974 Household Burglary Alarm System Units
- CAN/ULC-S303-1991 Local Burglary Alarm Units and Systems
- ORD-C693-1994 Central Station Fire Protective Signaling Systems and Services
- CAN/ULC-S527-1987 (R1995) Control Units

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